

# ST-REL7-HW120/4X21 - Relay connectors

2827304

<https://www.phoenixcontact.com/us/products/2827304>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Relay connector, equipped with Hengstler miniature round relay, contacts (AgCdO+Au): small to large loads, 4 changeover contacts, input voltage 120 V AC, with LED display, pluggable into basic terminal blocks

The figure shows version ST-REL 7-HG 24/4X21

## Commercial data

Item number	2827304
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6126
GTIN	4017918078188
Weight per piece (including packing)	104 g
Weight per piece (excluding packing)	100 g
Customs tariff number	85364900
Country of origin	DE

# ST-REL7-HW120/4X21 - Relay connectors



2827304

<https://www.phoenixcontact.com/us/products/2827304>

## Technical data

### Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	approx. $10^7$ cycles

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Data management status

Date of last data management	12.09.2025
------------------------------	------------

### Electrical properties

Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Changeover contact/changeover contact)	2 kV AC (50 Hz, 1 min., changeover contact/changeover contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	120 V AC
Input voltage range	96 V AC ... 132 V AC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Typical input current at $U_N$	17 mA
Typical response time	4 ms ... 15 ms (with AC)
Typical release time range	4 ms ... 15 ms (with AC)
Operating voltage display	yes

### Output data

#### Switching

Contact switching type	Single contact, 4 changeover contacts
Type of switch contact	Single contact
Contact material	AgCdO, hard gold-plated
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	6 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC) 180 W (at 48 V DC) 105 W (at 60 V DC) 60 W (at 110 V DC) 90 W (at 220 V DC) 1250 VA (for 250 V AC)

### Dimensions

# ST-REL7-HW120/4X21 - Relay connectors



2827304

<https://www.phoenixcontact.com/us/products/2827304>

Width	45.6 mm
Height	33 mm
Depth	66.5 mm

## Material specifications

Color	green (RAL 6021)
-------	------------------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
	DIN VDE 0109-11, draft
	DIN VDE 0160 (in relevant parts)

## Mounting

Mounting type	Plug-in mounting
---------------	------------------

2827304

<https://www.phoenixcontact.com/us/products/2827304>

Drawings

Circuit diagram



# ST-REL7-HW120/4X21 - Relay connectors



2827304

<https://www.phoenixcontact.com/us/products/2827304>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)